



STIC Search Report

EIC 1700

STIC Database Tracking Number: 128865

**TO: Elizabeth McKane
Location: REM 6D70
Art Unit : 1744
August 3, 2004**

Case Serial Number: 09/913629

**From: Kathleen Fuller
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-2505
Kathleen.Fuller@uspto.gov**

Search Notes

There is a registry number for this compound but it is an IDS "incompletely defined structure". There is only one reference and it is to the applicant. A molecular formula search did not turn up any other compounds with the structure.

Mellerson, Kendra

128865

From: McKane, Elizabeth
Sent: Tuesday, August 03, 2004 2:04 PM
To: STIC-EIC1700
Subject: compound search 09/913629

71017

Rem 61070

I can't find the following compound on Registry. Can you tell me if it's known by another name?

1744

ethylhexylisotridecyldimethylammonium chloride

Thanks!

Leigh McKane

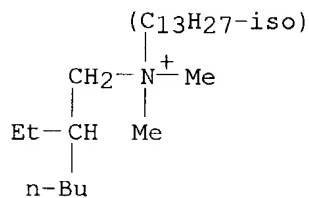
Art Unit 1744
571-272-1275

SCIENTIFIC REFERENCE BR
Sci. & Tech. Info. Cntr

AUG 3

Pat. & T.M. Office

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 289483-28-9 REGISTRY
CN Isotridecanaminium, N-(2-ethylhexyl)-N,N-dimethyl-, chloride (9CI)
(CA INDEX NAME)
MF C23 H50 N . Cl
CI IDS — *incompletely defined structures*
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)



● Cl⁻

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

LE 'HCAPLUS' ENTERED AT 15:37:43 ON 03 AUG 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 3 Aug 2004 VOL 141 ISS 6
 FILE LAST UPDATED: 2 Aug 2004 (20040802/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE

L2 6 SEA FILE=REGISTRY ABB=ON (138698-36-9/BI OR 289483-27-8/BI OR 289483-28-9/BI OR 50861-66-0/BI OR 5538-94-3/BI OR 7173-51-5/BI)
 L3 2 SEA FILE=REGISTRY ABB=ON L2 AND ISOTRIDEDEC?
 L4 1 SEA FILE=REGISTRY ABB=ON L3 NOT PMS/CI
 L6 1 SEA FILE=HCAPLUS ABB=ON L4

=> D ALL L6

L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:592804 HCAPLUS
 DN 133:195028
 ED Entered STN: 25 Aug 2000
 TI Cleansing and disinfecting agents especially useful for medical instruments
 IN Schumacher, Henning
 PA Germany
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 IC ICM C11D001-62
 ICS A61B001-12; A61C019-00
 CC 46-6 (Surface Active Agents and Detergents)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000049118	A1	20000824	WO 2000-EP1334	20000218
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				

TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG,
 KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 DE 19907120 A1 20000824 DE 1999-19907120 19990219
 EP 1153115 A1 20011114 EP 2000-912480 20000218
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 PRAI DE 1999-19907120 A 19990219
 WO 2000-EP1334 W 20000218

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000049118	ICM	C11D001-62
	ICS	A61B001-12; A61C019-00
AB	The title agents, with decreased hazard to personnel, contain invert soaps bearing branched nonyl, dodecyl, or tridecyl groups. An aqueous solution of dimethyldidecylammonium chloride 4.00, citric acid 10.00, 1,2-propanediol 30.00, alkoxylated isotridecyl alc. 2.00, antifoam 2.00, 25% NaOH 36.00, benzotriazole 0.20, and butynediol 0.50% had blood removal rating (5 best, 1 worst) at 60° in 10 min 5; vs. 1 for H2O.	
ST	cleanser disinfectant medical instrument; invert soap disinfectant cleanser; quaternary ammonium salt disinfectant; polyoxyalkylene ether disinfectant cleanser	
IT	Detergents Disinfectants (cleansing and disinfecting agents especially useful for medical instruments)	
IT	Medical equipment (instruments; cleansing and disinfecting agents especially useful for medical instruments)	
IT	Surfactants (invert soaps; cleansing and disinfecting agents especially useful for medical instruments)	
IT	Quaternary ammonium compounds, uses RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (isoalkyl-; cleansing and disinfecting agents especially useful for medical instruments)	
IT	Polyoxyalkylenes, uses RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (monoisoalkyl ethers; cleansing and disinfecting agents especially useful for medical instruments)	
IT	5538-94-3, Dimethyldioctylammonium chloride 7173-51-5, Didecyldimethylammonium chloride 50861-66-0 138698-36-9 289483-27-8 289483-28-9 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (cleansing and disinfecting agents especially useful for medical instruments)	
RE.CNT 9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD	
RE	(1) Dental Therapeutics Ab; WO 8000057 A 1980 HCAPLUS	

- (2) Frazier; US 4455250 A 1984 HCAPLUS
- (3) Fresenius Ag; DE 3503848 A 1986 HCAPLUS
- (4) Hall, L; US 5547990 A 1996 HCAPLUS
- (5) Henkel Kg Aa; EP 0249164 A 1987 HCAPLUS
- (6) Henkel Kgaa; EP 0299191 A 1989 HCAPLUS
- (7) Keymed; GB 2248188 A 1992
- (8) Matsushita Denki Sangyo Kk; JP 11342182 A 1999 HCAPLUS
- (9) Minnesota Mining & Mfg; WO 9422996 A 1994 HCAPLUS

=>

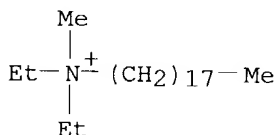
<u>C23H50N.CL/MF</u>		
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E2	1	C23H50N.CH3O4S/MF
E3	7 -->	C23H50N.CL/MF
E4	1	C23H50N.CLO4/MF
E5	1	C23H50N.HO/MF
E6	3	C23H50N.I/MF
E7	1	C23H50N.X(C7H10N2O2.C3H4O2)X.XBR.XNA/MF
E8	3	C23H50N10/MF
E9	5	C23H50N10.2CLH/MF
E10	1	C23H50N10O4/MF
E11	1	C23H50N12O5/MF
E12	22	C23H50N2/MF

=> S E3

L5 7 C23H50N.CL/MF

=> D SCAN

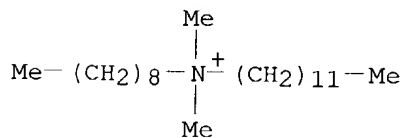
L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Octadecanaminium, N,N-diethyl-N-methyl-, chloride (9CI)
 MF **C23 H50 N . Cl**



● Cl⁻

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):6

L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Dodecanaminium, N,N-dimethyl-N-nonyl-, chloride (9CI)
 MF **C23 H50 N . Cl**



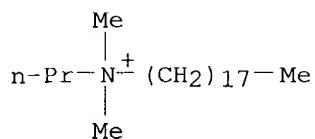
● Cl⁻

L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
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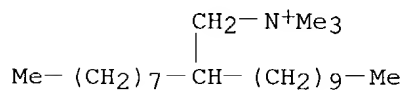
KATHLEEN FULLER EIC 1700 REMSEN 4B28 571/272-2505

*Molecular formula search.
 Only 1 compound has the correct structure & it is the IPS already found*

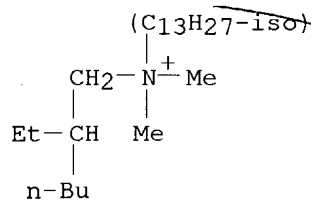
MF C23 H50 N . Cl



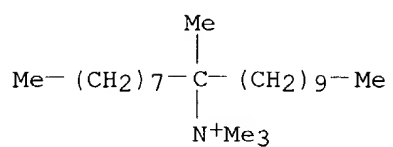
L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Dodecanaminium, N,N,N-trimethyl-2-octyl-, chloride (9CI)
MF C23 H50 N . Cl



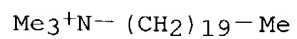
L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Isotridecanaminium, N-(2-ethylhexyl)-N,N-dimethyl-, chloride (9CI)
MF C23 H50 N . Cl
CI IDS



L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 9-Nonadecanaminium, N,N,N,9-tetramethyl-, chloride (9CI)
MF C23 H50 N . Cl



L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Eicosanaminium, N,N,N-trimethyl-, chloride (9CI)
 MF C23 H50 N . Cl



ALL ANSWERS HAVE BEEN SCANNED

=>

FILE 'CAPLUS, BIOSIS, MEDLINE' ENTERED AT 16:45:32 ON 03 AUG 2004
L1 1741 S (ENDOSCOPE OR CATHETER OR TUBING OR PIPELINE OR TUBE) AND (CA
L2 103 S L1 AND (STERILI? OR DISINFECT?)

L Number	Hits	Search Text	DB	Time stamp
7	49768	cationic	EPO; JPO; DERWENT	2004/08/03 14:34
8	557	cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)	EPO; JPO; DERWENT	2004/08/03 14:41
9	13	(cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and sterili\$7	EPO; JPO; DERWENT	2004/08/03 14:41
10	15	(cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and disinfect\$7	EPO; JPO; DERWENT	2004/08/03 14:43
11	14	((cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and disinfect\$7) not ((cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and sterili\$7)	EPO; JPO; DERWENT	2004/08/03 14:38
12	489	(quaternary adj ammonium) and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)	EPO; JPO; DERWENT	2004/08/03 14:41
13	19	((quaternary adj ammonium) and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and sterili\$7	EPO; JPO; DERWENT	2004/08/03 14:41
14	16	((quaternary adj ammonium) and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and sterili\$7) not ((cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and sterili\$7)	EPO; JPO; DERWENT	2004/08/03 14:41
15	33	((quaternary adj ammonium) and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and disinfect\$7	EPO; JPO; DERWENT	2004/08/03 14:43
16	26	((quaternary adj ammonium) and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and disinfect\$7) not ((cationic and (dodecyl\$10 or tridecyl\$10 or nonyl\$10)) and disinfect\$7)	EPO; JPO; DERWENT	2004/08/03 14:48
17	402	cationic and lauryl	EPO; JPO; DERWENT	2004/08/03 14:49
18	22	(cationic and lauryl) and (sterili\$7 or disinfect\$7)	EPO; JPO; DERWENT	2004/08/03 14:49

FILE 'REGISTRY' ENTERED AT 12:22:54 ON 03 AUG 2004
 E BARDAC2170/CN
 E BARDAC 2170/CN
 L1 1 S E3
 L2 1 S E5

FILE 'CAPLUS' ENTERED AT 12:26:08 ON 03 AUG 2004
 S 138698-36-9/REG#

FILE 'REGISTRY' ENTERED AT 12:26:18 ON 03 AUG 2004
 L3 1 S 138698-36-9/RN

FILE 'CAPLUS' ENTERED AT 12:26:18 ON 03 AUG 2004
 L4 26 S L3

FILE 'BIOSIS, MEDLINE' ENTERED AT 12:32:01 ON 03 AUG 2004
 L5 0 S 138698-36-9

FILE 'REGISTRY' ENTERED AT 12:32:26 ON 03 AUG 2004
 E ETHYLHEXYLISOTRIDECYLDIMETHYL AMMONIUM CHLORIDE/CN
 E ISOTRIDECYLETHYLHEXYLAMMONIUM CHLORIDE/CN
 E ISOTRIDECYL ETHYLHEXYLAMMONIUM CHLORIDE/CN
 E ISOTRIDECYL/CN
 L6 1 S E5
 E ISOTRIDECYL/CN
 E ISOTRIDECYLDIMETHYL ETHYLHEXYL/CN
 E DIMETHYLETHYLHEXYL ISOTRIDECYLAMMONIUM CHLORIDE/CN
 E DIMETHYLETHYLHEXYLISOTRIDECYLAMMONIUM CHLORIDE/CN
 L7 1 S E2
 E N-ETHYL-N-HEXYL-N,N-DIMETHYL-N-ISOTRIDECYLAMMONIUM CHLORIDE/C
 E N-ETHYL-N,N-DIMETHYL-N-HEXYL-N-ISOTRIDECYLAMMONIUM CHLORIDE/C
 E N-ETHYL-N,N-DIMETHYL/CN

FILE 'BIOSIS, MEDLINE, CAPLUS' ENTERED AT 12:59:54 ON 03 AUG 2004
 L8 187094 S ENDOSCOPE OR CATHETER OR TUBING
 L9 28 S L8 AND (STERILI? OR DISINFECT?) AND (QUATERNARY (W) AMMONIUM